

Declaration and Power of Attorney for Patent Application

I, as a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, on the invention entitled **SYSTEM, APPARATUS AND METHOD FOR EXPANDING THE OPERATIONAL BANDWIDTH OF A COMMUNICATION SYSTEM**, the specification of which was filed as USSN 09/830,015 filed April 20, 2001, Attorney Docket No. 82031-00006.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

| | | | Priority Claimed | |
|---------|-----------|------------------|------------------------------|-----------------------------|
| Number) | (Country) | (Day/Month/Year) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

| Application Serial No.) | (Filing Date) |
|-------------------------|---------------|
|-------------------------|---------------|

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the

claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|--------------------------|------------------------|-----------------------------|
| <u>PCT/IL00/00655</u> | <u>16 October 2000</u> | <u> </u> |
| (Application Serial No.) | (Filing Date) | (Status) |

| | | |
|--------------------------|-------------------------|-----------------------------|
| <u>PCT/IL01/00181</u> | <u>27 February 2001</u> | <u> </u> |
| (Application Serial No.) | (Filing Date) | (Status) |

I or we hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to HOGAN & HARTSON L.L.P., 555 13th Street, N.W., Washington, D.C. 20004, Customer No. 24633

Celine Jimenez Crowson, Reg. No. 40,357
Kevin G. Shaw, Reg. No. 43,110

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|---|---------------------|-------------|
| FIRST NAMED INVENTOR | SIGNATURE | DATE |
| Hillel WEINSTEIN | <i>H. Weinstein</i> | JUNE 4 '01 |
| RESIDENCE | CITIZENSHIP | |
| 4363 Haifa, Israel | Israel | |
| POST OFFICE ADDRESS | | |
| Tel Mane Street, 3463 Haifa, Israel | | |
| SECOND NAMED INVENTOR | SIGNATURE | DATE |
| Leev ORBACH | <i>Leev Orbach</i> | JUNE 4. 01. |
| RESIDENCE | CITIZENSHIP | |
| 3484 Ashkelon, Israel | Israel | |
| POST OFFICE ADDRESS | | |
| 1B Zvi Segal Street, 78484 Ashkelon, Israel | | |

Declaration and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, on the invention entitled **SYSTEM, APPARATUS AND METHOD FOR EXPANDING THE OPERATIONAL BANDWIDTH OF A COMMUNICATION SYSTEM**, the specification of which was filed as USSN 09/830,015 filed April 20, 2001, Attorney Docket No. 82031-00006.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

| | | | Priority Claimed | |
|----------|-----------|------------------|--------------------------|--------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> |
| (Number) | (Country) | (Day/Month/Year) | Yes | No |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

| (Application Serial No.) | (Filing Date) |
|--------------------------|---------------|
|--------------------------|---------------|

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the

claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|--------------------------|------------------------|-----------------------------|
| <u>PCT/IL00/00655</u> | <u>16 October 2000</u> | <u> </u> |
| (Application Serial No.) | (Filing Date) | (Status) |

| | | |
|--------------------------|-------------------------|-----------------------------|
| <u>PCT/IL01/00181</u> | <u>27 February 2001</u> | <u> </u> |
| (Application Serial No.) | (Filing Date) | (Status) |

I or we hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to HOGAN & HARTSON L.L.P., 555 13th Street, N.W., Washington, D.C. 20004, Customer No. 24633

Celine Jimenez Crowson, Reg. No. 40,357
Kevin G. Shaw, Reg. No. 43,110

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|--|--------------------|-------------|
| FIRST NAMED INVENTOR | SIGNATURE | DATE |
| Hillel WEINSTEIN | | |
| RESIDENCE | CITIZENSHIP | |
| 34363 Haifa, Israel | Israel | |
| POST OFFICE ADDRESS | | |
| 3 Tel Mane Street, 3463 Haifa, Israel | | |
| SECOND NAMED INVENTOR | SIGNATURE | DATE |
| Zeev ORBACH | | |
| RESIDENCE | CITIZENSHIP | |
| 78484 Ashkelon, Israel | Israel | |
| POST OFFICE ADDRESS | | |
| 41B Zvi Segal Street, 78484 Ashkelon, Israel | | |